

### Abstract of the Disclosure

The invention relates to a method, signal processing device and computer program for stereo widening (SW) of stereo format signals to become suitable for headphone listening. The invention also relates to a mobile appliance performing signal processing according to the invention. According to the invention a separate monophonic signal path (ME) is formed in order to equalize the frequency spectrum of the monophonic component of the left and right output signals ( $L_{out}, R_{out}$ ) by at least extracting from the left and right input signals ( $L_{in}, R_{in}$ ) an at least substantially monophonic signal component contained in said signals ( $L_{in}, R_{in}$ ), processing the extracted monophonic signal component to obtain a processed monophonic signal component, and combining said processed monophonic signal component with at least one of the left ( $L_{out}$ ) or the right ( $R_{out}$ ) output signals.